



高柔性电线电缆 High-flexible electrical wire and cable

产品用途

适用于高架仓库储存和提取设备、加工设备机床、快速运输系统、无尘室、半导体设备、岸桥起重机、室外起重机、低温应用等。

Application

Suitable for warehouse storage and extraction equipment, processing equipment and machine tools, rapid transportation system, dustless room, semiconductor equipment, shore bridge crane, outdoor crane, low temperature application, etc.

使用特性 Service property

主要参数 Main parameter	T-SSRP	AS-125
电压等级 Voltage grade	0.6/1kV	300/300V
使用温度 Operating temperature	-45°C - 90°C	-60°C - 125°C
最小弯曲半径 Minimum bending radius	≥6D (D: 电缆外径, mm)	≥6D (D: 电缆外径, mm)
交流电压试验 AC voltage test	3.5kV/5min不击穿	3.5kV/5min不击穿
阻燃特性 Flame retardant property	符合IEC60332-1-2	符合IEC60332-1-2
其他特性 Other properties	电缆具有抗辐射、抗水解和微生物、抗扭转、耐油、耐低温等特性。 The cable has the characteristics of anti-radiation, hydrolysis and microorganism, anti-torsion, oil resistant and low temperature resistant etc.	电缆具有抗辐射、抗扭转、耐低温等特性。 The cable has the characteristics of anti-radiation, anti-torsion, high and low temperature resistant etc.

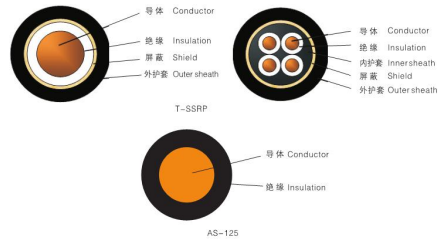
产品名称及型号 Type and description

名称及型号见表1:
Type and description refer to table 1.

表1-名称及型号
Table 1 - Type and description

型号 Type	名称 Description	使用温度 Operating temperature
T-SSRP	TPE绝缘TPE护套铜芯铜丝屏蔽屏蔽柔性动力电缆 TPE insulated and sheathed lined copper wire braided shielded flexible power cable	-45°C - 90°C
AS-125	铜芯或铁芯铜芯热塑性弹性体绝缘耐高温安装线 Copper core or lined copper core thermoplastic elastomer insulated high temperature resistant installation wire	-60°C - 125°C

产品结构示意图 Structure diagram



基本电缆规格和结构参数 Cable specification and structural parameter

导体结构和直流电阻分别见表2、表3。
Conductor structure and dc resistance refer to table 2 and 3 respectively.

表2 - TPE绝缘TPE护套铜芯铜丝屏蔽屏蔽柔性动力电缆结构尺寸
Table 2 - Structure dimension of TPE insulated and sheathed lined copper wire braided flexible power cable

型号 Type	T-SSRP-D/6/1kV						
	芯数×截面积 Number of cores × nominal cross section area mm ²	导体结构及电缆外径 Conductor structure and cable outer diameter mm	20°C时导体电阻最大值 D.K.M Conductor resistance at 20°C	芯数×截面积 Number of cores × nominal cross section area mm ²			
1×2.5	49/0.25	7.3	7.98	1×150	1110/0.40	26.7	0.13
1×4	56/0.30	7.9	4.95	1×185	1369/0.40	28.7	0.10
1×6	84/0.30	8.8	3.30	1×240	1147/0.50	32.8	0.08
1×10	77/0.40	9.9	1.91	2×2.5	49/0.25	13.4	7.98
1×16	119/0.40	11.7	1.21	2×4	56/0.30	14.9	4.95
1×25	189/0.40	13.6	0.78	2×6	84/0.30	16.7	3.30
1×35	259/0.40	14.9	0.55	2×10	77/0.40	19.1	1.91
1×50	378/0.40	16.9	0.39	2×16	119/0.40	22	1.21
1×70	518/0.40	19.3	0.27	2×25	189/0.40	26.2	0.78
1×95	703/0.40	21.3	0.20	2×35	259/0.40	28.4	0.55
1×120	888/0.40	24.6	0.16	2×50	378/0.40	33.1	0.39

续上表 Continued

型号 Type	T-SSRP-0.6/1kV						
	导体结构及电缆外径 Conductor structure and cable outer diameter		20℃时导体电阻最大值 Ω/KM Conductor resistance at 20℃	芯数×截面积 Number of cores × nominal cross section area mm ²	导体结构及电缆外径 Conductor structure and cable outer diameter		20℃时导体电阻最大值 Ω/KM Conductor resistance at 20℃
	导体结构 Conductor structure	外径最大值 Cable outer diameter			导体结构 Conductor structure	外径最大值 Cable outer diameter	
2 × 70	518/0.40	38.5	0.27	3 × 150	1110/0.40	56.7	0.13
2 × 95	703/0.40	42.3	0.20	3 × 185	1369/0.40	61.2	0.10
2 × 120	888/0.40	49.0	0.16	3 × 240	1147/0.50	69.1	0.08
2 × 150	1110/0.40	53.2	0.13	4 × 2.5	49/0.25	15.1	7.98
2 × 185	1369/0.40	57.0	0.10	4 × 4	56/0.30	16.6	4.95
2 × 240	1147/0.50	64.8	0.08	4 × 6	84/0.30	19.0	3.30
3 × 2.5	49/0.25	13.9	7.98	4 × 10	77/0.40	22.3	1.91
3 × 4	56/0.30	15.5	4.95	4 × 16	119/0.40	25.2	1.21
3 × 6	84/0.30	17.7	3.30	4 × 25	189/0.40	30.4	0.78
3 × 10	77/0.40	20.1	1.91	4 × 35	259/0.40	33.3	0.55
3 × 16	119/0.40	23.1	1.21	4 × 50	378/0.40	39.1	0.39
3 × 25	189/0.40	27.8	0.78	4 × 70	518/0.40	45.4	0.27
3 × 35	259/0.40	30.2	0.55	4 × 95	703/0.40	50.7	0.20
3 × 50	378/0.40	35.6	0.39	4 × 120	888/0.40	57.4	0.16
3 × 70	518/0.40	41.0	0.27	4 × 150	1110/0.40	62.8	0.13
3 × 95	703/0.40	45.6	0.20	4 × 185	1369/0.40	67.4	0.10
3 × 120	888/0.40	52.2	0.16	4 × 240	1147/0.50	76.6	0.08

表3 – 铜芯或镀锡铜芯热塑性弹性体绝缘耐高温安装线结构尺寸
Table 3 – Structure dimension of copper core or tinned copper core thermoplastic elastomer insulated high temperature resistant installation wire

型号 Type	T-SSRP-0.6/1kV								
	导体结构及电缆外径 Conductor structure and cable outer diameter		20℃时导体电阻最大值 Ω/KM Conductor resistance at 20℃		芯数×截面积 Number of cores × nominal cross section area mm ²	导体结构及电缆外径 Conductor structure and cable outer diameter		20℃时导体电阻最大值 Ω/KM Conductor resistance at 20℃	
	导体结构 Conductor structure	外径最大值 Cable outer diameter	铜芯 Copper	镀锡 Tinned		导体结构 Conductor structure	外径最大值 Cable outer diameter	铜芯 Copper	镀锡 Tinned
1×0.08					7/0.12				
1×0.12	7/0.15	1.5	158	163	1 × 0.4	19/0.16	2.1	48.2	49.6
1 × 0.2	19/0.12	1.6	92.3	95					